

**MCT-FDC-1.2**

**1.2MB/360KB FLOPPY DISK ADAPTER**

# **USER'S MANUAL**

## MCT-FDC-1.2 FLOPPY DISK DRIVE ADAPTER

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CONGRATULATIONS on your prudent choice of MCT-FDC-1.2 Floppy Disk Drive Adapter for your Personal Computer. MCT-FDC-1.2 is designed to be used with the IBM PC/XT/AT. It is equipped with the following versatile and powerful features:

- \* Host Interface: IBM PC/XT/AT.
- \* 1 or 2 floppy disk drive can be connected.
  - Double-sided/double density 5 1/4" floppy disk drive with 320/360KB or 160/180KB capacity.
  - High Capacity disk drive with 1.2MB capacity.
  - 3.5" Micro-floppy disk drive with 720KB capacity.
- \* Capability to auto-configuration different drive type.
- \* DOS Compatibility: Version 3.0 or later version.

### Jumper Setting

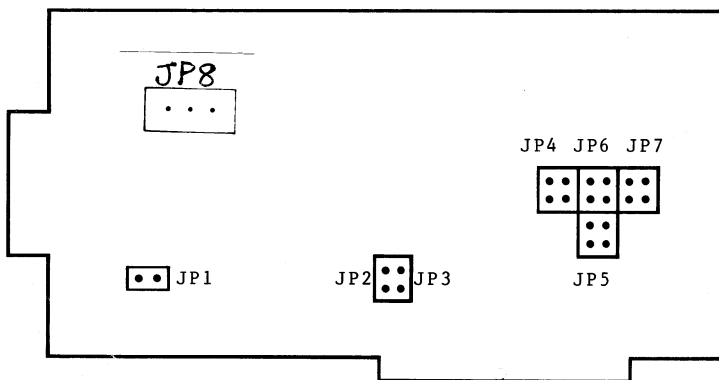
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#### 1. JP1: Memory Address Select

Open - CC00H -> CDFFH (To accommodate for MCT-HDC Controller)  
Close - CA00H -> CBFFH (Factory Setting)

#### 2. JP2, JP3: I/O Address Select

- JP2 close and JP3 open  
Primary I/O Address (3F0 -> 3F7) (Factory Setting)
- JP2 open and JP3 close  
Secondary I/O Address (370 -> 377)



3. JP4 close: Software Auto-Configuration for different drive types. (Factory Setting)

JP4 open: Configuration by different jumper setting as follows.

| JP4  | JP6   | JP7   | Drive A         | Drive B         |
|------|-------|-------|-----------------|-----------------|
| open | open  | open  | 320/360KB/720KB | 320/360KB/720KB |
| open | open  | close | 320/360KB/720KB | 1.2MB           |
| open | close | open  | 1.2MB           | 320/360KB/720KB |
| open | close | close | 1.2MB           | 1.2MB           |

Note: # Requirements for running 3.5" 720KB floppy disk drive.

(1). a. DOS 3.2 or later version

b. Install a CONFIG.SYS file under DOS 3.2 as follows:

```
COPY CON:CONFIG.SYS      <ENTER>
-----
```

```
DRIVPARM=/d:0/f:2/h:2/t:80      <ENTER>*
-----
```

Remark: \* Include this line only if you install 3 1/2" 720KB floppy disk drive as drive A.

```
DRIVPARM=/d:1/f:2/h:2/t:80      <ENTER>*
-----
```

Remark: \* Include this line only if you install 3 1/2" 720KB floppy disk drive as drive B.

```
^Z
--
```

Reboot your system.

(2). Cut the track to Pin 34 of the edge connector on the 3 1/2" 720KB floppy disk drive, or the line of the cable connected to that pin. (Note: Pin 34 is the Diskette Change Signal)

4. JP5 open: ROM Output Enable (Factory Setting)

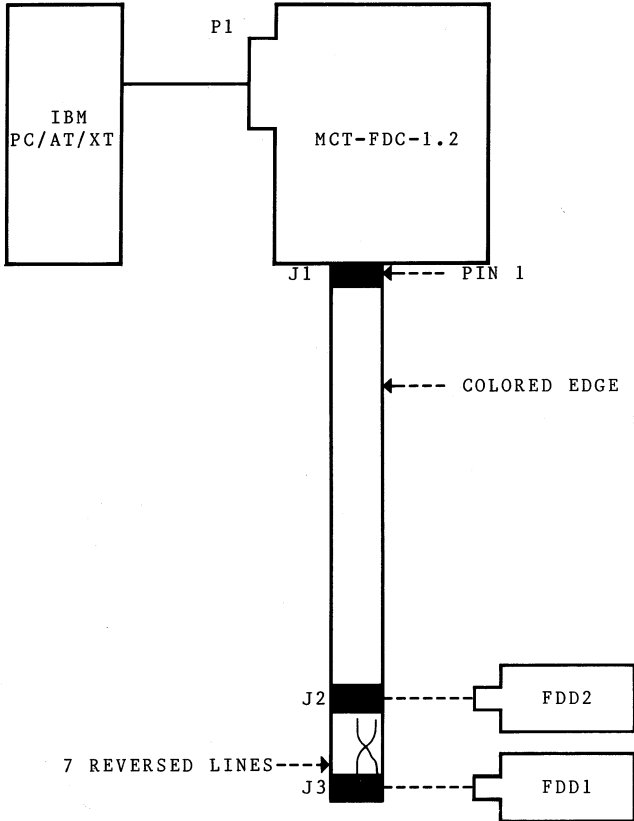
When JP5 is closed, the system runs the firmware which is embedded in MCT-FDC-1.2.

close: ROM Output Disable

When JP5 is open, the system runs the firmware which is embedded in BIOS.

5. JP6 for Drive A Setting, referring to step 3.  
JP7 for Drive B Setting, referring to step 3.

## Connection of Cables for MCT-FDC-1.2



J1, J2, J3 --> Connectors  
P1 --> IBM PC/XT/AT Edgecard Connector  
FDD1 & FDD2 --> Floppy Disk Drives

**Operations:** All the same as the standard operations of IBM PC/XT/AT floppy disk. Please refer to the DOS Operation Manual.

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